Please amend the claims as follows:

1. (twice amended) A modular digital recording logger comprising:

a housing;

at least two audio circuits in said housing for converting analog voice signals to digital voice signals, each of said audio circuits including at least two terminals for receiving said analog voice signals, each of said terminals being capable of receiving said analog voice signals for recording a two-way conversation;

B1

a circuit in said housing for compressing said digital voice signals received from each of said audio circuits to provide compressed voice data;

a first bus in said housing for providing communication between said audio circuits and said compressing circuit, said first bus enabling the addition or removal of circuits;

a multiplexer circuit in said housing for providing communication between said compressing circuit and said first bus, wherein said multiplexer circuit multiplexes voice signals exchanged between said compressing circuit and said audio circuits on said first bus;

a host computer for controlling the logger; and

a digital audio tape (DAT) drive for storing said compressed voice data.

11. (twice amended) A network of modular digital recording loggers comprising:

at least two digital recording loggers for logging voice signals, each of said recording loggers comprising:

a housing,

B2

a first circuit in said housing for converting analog voice signals to digital voice signals, said circuit including at least two terminals for receiving said analog voice signals, and wherein each of said terminals is capable of receiving said analog voice signals for recording a two-way conversation,

a second circuit in said housing for compressing said digital voice signals received from the first circuit to provide compressed voice data,

a digital audio tape (DAT) drive for storing said compressed voice data,

a hard disk drive in said housing for storing said compressed voice data,

a first computer in said housing for operating said DAT drive and/or said hard disk drive to store compressed voice data received from said second circuit and retrieve stored compressed voice data, and

a second computer for processing compressed voice data retrieved from said recording loggers; and

a bus connecting each of said recording loggers to said second computer.

22. (twice amended) A method of manufacturing a modular digital recording logger, comprising the steps of:

selecting a number of circuits for converting analog voice signals to digital voice signals, each of said circuits including at least two terminals for receiving analog voice signals, and wherein each of said terminals is capable of receiving said analog voice signals for recording a two-way conversation;

installing said selected number of said circuits in a housing;

installing a compressing circuit in said housing for compressing said digital voice signals received from each of said circuits to provide compressed voice data;

installing a first bus in said housing for providing communication between said circuits and said compressing circuit;

installing a multiplexer circuit in said housing for providing communication between said compressing circuit and said first bus, wherein said multiplexer circuit multiplexes voice signals between said compressing circuit and said circuits; and

installing a digital audio tape (DAT) drive in said housing for storing said compressed voice data.

24. (twice amended) A method of networking a plurality of digital recording loggers comprising the step of:

selecting a number of modular digital recording loggers for logging voice signals, each of said recording loggers comprising:

a housing,

a converting circuit for converting analog voice signals to and from digital voice signals, said circuit including a plurality of terminals for receiving said analog voice signals, and wherein each of said terminals is capable of receiving said analog voice signals for recording a two-way conversation,

a compressing circuit for compressing said digital voice signals received from the converting circuit to provide compressed voice data,

a digital audio tape (DAT) drive for storing said compressed voice data,

a hard disk drive for storing said compressed voice data,

a first computer for operating said DAT drive and/or said hard disk drive to store and retrieve said compressed voice data, and

a bus connecting said computer to said hard disk drive and said DAT drive;

installing said selected number of said recording loggers; and

connecting the installed loggers via a local area network (LAN) bus.

Please cancel claims ~~30~~ and 33.

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37. (amended) A modular digital recording logger, comprising:

a base;

one or more circuits on said base for monitoring a plurality of audio sources and receiving signals therefrom, at least one monitoring circuit being capable of receiving analog signals for recording a two-way conversation and converting analog audio signals to digital audio signals;

at least one application circuit on said base for compressing digital audio signals received from said one or more monitoring circuits to provide compressed audio data;

a first bus on said base for providing time division multiplexed communication of digital audio signals from the plurality of audio sources between said one or more monitoring circuits and said at least one application circuit, said time division multiplexed communication on the first bus enabling increase or decrease in the number of circuits;

a host computer for controlling the operation of the logger; and

digital storage means for storing said compressed audio data.

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50. (amended) A network of modular digital recording loggers comprising:

at least two digital recording loggers for logging audio signals, each of said recording loggers comprising:

a base;

one or more circuits on said base for monitoring a plurality of audio sources and receiving signals therefrom, at least one monitoring circuit being capable

of receiving analog signals for recording a two-way conversation and converting analog audio signals to digital audio signals;

at least one application circuit on said base for compressing digital audio signals received from said one or more monitoring circuits to provide compressed audio data;

a first computer on said base for controlling the operation of the logger;

storage means for storing said compressed voice data;

a workstation capable of processing audio data; and

a bus connecting each of said recording loggers to said workstation.